UNITED STATES BLACK BUTTES QUADRANGLE DEPARTMENT OF THE INTERIOR WYOMING-SWEETWATER CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) GEOLOGICAL SURVEY 4267 II NW (BITTER CREEK NW) 108° 45′ 41° 37′ 30″ R. 101 W. R. 100 W. 13 17 13 14 18 16 19 24 20 24 21 22 23 30 29 25 28 27 26 32 33 36 31 35 34 1356 T. 19 N. T. 19 N. T. 18 N T. 18 N. 5 12 10 11 12 32'30"-32'30" 13 18 17 14 16 15 13 778_O 24 19 20 21 24 o 1479 25 29 25 33 (SAND BUTTE RIM NW) 4266 I NW SCALE 1:24 000 108° 37′ 30″ Compiled in 1977/1978 Base from U.S. Geological Survey, 1968 1 .5 0 WYOMING UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE BLACK BUTTES QUADRANGLE, SWEETWATER COUNTY, WYOMING

BY DAMES & MOORE 1979 OPEN FILE REPORT 79-1022

PLATE 22 OF 32

EXPLANATION

OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from surface to top of coal bed. Dashed where vertical accuracy possibly not within 40 feet. Isopach interval is 100 feet (31 m) over strippable coal and 200 feet (61 m) beyond the stripping-limit line.

0 1647

DRILL HOLE - Showing thickness of overburden, in feet, from surface to top of coal bed.

MINING-RATIO CONTOUR - Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the stripping-limit (in this quadrangle, the 200-foot-overburden isopach). To convert mining ratio to cubic meters of overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428.

Mx - Maxwell
COAL BED SYMBOL AND NAME

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Dashed where inferred; short dashed where inferred by present authors.

To convert feet to meters, multiply feet by 0.3048.

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

PLATE 22

OVERBURDEN ISOPACH AND MINING RATIO MAP OF THE MAXWELL COAL BED